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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/054,712

DATE: 07/02/2002
TIME: 13:53:04

Input Set : N:\Crf3\RULE60\10054712.raw
Output Set: N:\CRF3\07022002\J054712.raw

SEQUENCE LISTING

3 (1) GENERAL INFORMATION:

5 (i) APPLICANT: Gerald R. Crabtree
6 Schreiber, Stuart L.
7 Spencer, David M.
8 Wandless, Thomas J.
9 Belshaw, Peter

11 (ii) TITLE OF INVENTION: Regulated Apoptosis

13 (iii) NUMBER OF SEQUENCES: 81

15 (iv) CORRESPONDENCE ADDRESS:
16 (A) ADDRESSEE: ARIAD Pharmaceuticals, Inc.
17 (B) STREET: 26 Lansdowne Street
18 (C) CITY: Cambridge
19 (D) STATE: Massachusetts
20 (E) COUNTRY: USA
21 (F) ZIP: 02139

23 (v) COMPUTER READABLE FORM:
24 (A) MEDIUM TYPE: Floppy disk
25 (B) COMPUTER: IBM PC compatible
26 (C) OPERATING SYSTEM: PC/DOS/MS/DOS
27 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25

29 (vi) CURRENT APPLICATION DATA:
30 (A) APPLICATION NUMBER: US/10/054,712
C--> 31 (B) FILING DATE: 13-Nov-2001
32 (C) CLASSIFICATION:
34 (vii) PRIOR APPLICATION DATA:
36 (A) APPLICATION NUMBER: US/09/302,629
37 (B) FILING DATE:
39 (A) APPLICATION NUMBER: 09/087,811
40 (B) FILING DATE:
42 (viii) ATTORNEY/AGENT INFORMATION:
43 (A) NAME: Figg, E. Anthony
44 (B) REGISTRATION NUMBER: 27,195
45 (C) REFERENCE/DOCKET NUMBER: 2054-108A

47 (ix) TELECOMMUNICATION INFORMATION:
48 (A) TELEPHONE: (202) 783-6040
49 (B) TELEFAX: (202) 783-6031

52 (2) INFORMATION FOR SEQ ID NO: 1:
54 (i) SEQUENCE CHARACTERISTICS:
55 (A) LENGTH: 14 amino acids
56 (B) TYPE: amino acid
57 (D) TOPOLOGY: linear

59 (ii) MOLECULE TYPE: peptide

ENTERED

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Input Set : N:\Crf3\RULE60\10054712.raw
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63 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
65 Met Gly Ser Ser Lys Ser Lys Pro Lys Asp Pro Ser Gln Arg
66 1 5 10
69 (2) INFORMATION FOR SEQ ID NO: 2:
71 (i) SEQUENCE CHARACTERISTICS:
72 (A) LENGTH: 11 base pairs
73 (B) TYPE: nucleic acid
74 (C) STRANDEDNESS: single
75 (D) TOPOLOGY: linear
77 (ii) MOLECULE TYPE: cDNA
81 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2: 11
83 GTTAAGTTAA C
85 (2) INFORMATION FOR SEQ ID NO: 3:
87 (i) SEQUENCE CHARACTERISTICS:
88 (A) LENGTH: 11 base pairs
89 (B) TYPE: nucleic acid
90 (C) STRANDEDNESS: single
91 (D) TOPOLOGY: linear
93 (ii) MOLECULE TYPE: cDNA
97 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3: 11
99 TGACTCAGCG C
101 (2) INFORMATION FOR SEQ ID NO: 4:
103 (i) SEQUENCE CHARACTERISTICS:
104 (A) LENGTH: 33 base pairs
105 (B) TYPE: nucleic acid
106 (C) STRANDEDNESS: single
107 (D) TOPOLOGY: linear
109 (ii) MOLECULE TYPE: cDNA
112 (ix) FEATURE:
113 (A) NAME/KEY: misc_feature
114 (B) LOCATION: 6..11
115 (D) OTHER INFORMATION: /note= "Sac II restriction site."
117 (ix) FEATURE:
118 (A) NAME/KEY: misc_signal
119 (B) LOCATION: 12..16
120 (D) OTHER INFORMATION: /note= "Kozak sequence."
122 (ix) FEATURE:
123 (A) NAME/KEY: CDS
124 (B) LOCATION: 17..31
126 (ix) FEATURE:
127 (A) NAME/KEY: misc_feature
128 (B) LOCATION: 17..33
129 (D) OTHER INFORMATION: /note= "Region of homology with
130 target sequence."
134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4: 33
136 CGACACCGCG GCCACC ATG GCC ACA ATT GGA GC
137 Met Ala Thr Ile Gly
138 1 5
141 (2) INFORMATION FOR SEQ ID NO: 5:

RAW SEQUENCE LISTING
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143 (i) SEQUENCE CHARACTERISTICS:
144 (A) LENGTH: 5 amino acids
145 (B) TYPE: amino acid
146 (D) TOPOLOGY: linear
148 (ii) MOLECULE TYPE: protein
150 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
152 Met Ala Thr Ile Gly
153 1 5
155 (2) INFORMATION FOR SEQ ID NO: 6:
157 (i) SEQUENCE CHARACTERISTICS:
158 (A) LENGTH: 27 base pairs
159 (B) TYPE: nucleic acid
160 (C) STRANDEDNESS: single
161 (D) TOPOLOGY: linear
163 (ii) MOLECULE TYPE: cDNA
166 (ix) FEATURE:
167 (A) NAME/KEY: misc_feature
168 (B) LOCATION: 6..11
169 (D) OTHER INFORMATION: /note= "Xho I restriction site."
171 (ix) FEATURE:
172 (A) NAME/KEY: misc_feature
173 (B) LOCATION: 12..27
174 (D) OTHER INFORMATION: /note= "Region of homology with
175 target sequence."
178 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
180 CGACACTCGA GAGCCCATGA CTTCTGG 27
182 (2) INFORMATION FOR SEQ ID NO: 7:
184 (i) SEQUENCE CHARACTERISTICS:
185 (A) LENGTH: 4 amino acids
186 (B) TYPE: amino acid
187 (C) STRANDEDNESS: single
188 (D) TOPOLOGY: linear
190 (ii) MOLECULE TYPE: peptide
193 (ix) FEATURE:
194 (A) NAME/KEY: Peptide
195 (B) LOCATION: 1..4
196 (D) OTHER INFORMATION: /note= "Translation product of
197 complement of SEQ ID NO:6, bases 9 to 20."
201 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
203 Ser Trp Ala Leu
204 1
206 (2) INFORMATION FOR SEQ ID NO: 8:
208 (i) SEQUENCE CHARACTERISTICS:
209 (A) LENGTH: 41 base pairs
210 (B) TYPE: nucleic acid
211 (C) STRANDEDNESS: single
212 (D) TOPOLOGY: linear
214 (ii) MOLECULE TYPE: cDNA
217 (ix) FEATURE:

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218 (A) NAME/KEY: misc_feature
219 (B) LOCATION: 6..11
220 (D) OTHER INFORMATION: /note= "Xho I restriction site."
222 (ix) FEATURE:
223 (A) NAME/KEY: misc_feature
224 (B) LOCATION: 12..41
225 (D) OTHER INFORMATION: /note= "Region of homology with
226 target sequence."
228 (ix) FEATURE:
229 (A) NAME/KEY: CDS
230 (B) LOCATION: 9..41
232 (ix) FEATURE:
233 (A) NAME/KEY: misc_feature
234 (B) LOCATION: 28
235 (D) OTHER INFORMATION: /note= "A to G."
238 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 8:
240 CGACACTC GAG CTC TGC TAC TTG CTA GGT GGA ATC CTC TTC 41
241 Glu Leu Cys Tyr Leu Leu Gly Gly Ile Leu Phe
242 1 5 10
245 (2) INFORMATION FOR SEQ ID NO: 9:
247 (i) SEQUENCE CHARACTERISTICS:
248 (A) LENGTH: 11 amino acids
249 (B) TYPE: amino acid
250 (D) TOPOLOGY: linear
252 (ii) MOLECULE TYPE: protein
254 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 9:
256 Glu Leu Cys Tyr Leu Leu Gly Gly Ile Leu Phe
257 1 5 10
259 (2) INFORMATION FOR SEQ ID NO: 10:
261 (i) SEQUENCE CHARACTERISTICS:
262 (A) LENGTH: 24 base pairs
263 (B) TYPE: nucleic acid
264 (C) STRANDEDNESS: single
W--> 268 (D) TOPOLOGY: /note= "Translational stop encoded
289 in complementary strand."
267 (ii) MOLECULE TYPE: cDNA
269 (ix) FEATURE:
270 (A) NAME/KEY: misc_feature
271 (B) LOCATION: 3..8
272 (D) OTHER INFORMATION: /note= "Eco RI restriction site."
274 (ix) FEATURE:
275 (A) NAME/KEY: misc_feature
276 (B) LOCATION: 9..24
277 (D) OTHER INFORMATION: /note= "Region of homology with
278 target sequence."
280 (ix) FEATURE:
281 (A) NAME/KEY: misc_feature
282 (B) LOCATION: 24
283 (D) OTHER INFORMATION: /note= "G to C."

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285 (ix) FEATURE:
286 (A) NAME/KEY: misc_signal
287 (B) LOCATION: complement (9..11)
292 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 10:
294 GCGAATTCTT AGCGAGGGC CAGC 24
296 (2) INFORMATION FOR SEQ ID NO: 11:
298 (i) SEQUENCE CHARACTERISTICS:
299 (A) LENGTH: 4 amino acids
300 (B) TYPE: amino acid
301 (C) STRANDEDNESS: single
302 (D) TOPOLOGY: linear
304 (ii) MOLECULE TYPE: peptide
307 (ix) FEATURE:
308 (A) NAME/KEY: Peptide
309 (B) LOCATION: 1..4
310 (D) OTHER INFORMATION: /note= "Translational product of
311 complement to SEQ ID NO:10, bases 12 to 23."
314 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 11:
316 Leu Ala Pro Arg
317 1
319 (2) INFORMATION FOR SEQ ID NO: 12:
321 (i) SEQUENCE CHARACTERISTICS:
322 (A) LENGTH: 33 base pairs
323 (B) TYPE: nucleic acid
324 (C) STRANDEDNESS: single
W--> 343 (D) TOPOLOGY: /note= "Translational stop signal
344 encoded on complementary strand."
327 (ii) MOLECULE TYPE: cDNA
330 (ix) FEATURE:
331 (A) NAME/KEY: misc_feature
332 (B) LOCATION: 3..8
333 (D) OTHER INFORMATION: /note= "Eco RI restriction."
335 (ix) FEATURE:
336 (A) NAME/KEY: misc_feature
337 (B) LOCATION: 12..17
338 (D) OTHER INFORMATION: /note= "Sal I restriction site."
340 (ix) FEATURE:
341 (A) NAME/KEY: misc_signal
342 (B) LOCATION: complement (9..11)
353 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 12:
355 GCGAATTCTT AGTCGACCGC AGGGGCCAGG GTC 33
357 (2) INFORMATION FOR SEQ ID NO: 13:
359 (i) SEQUENCE CHARACTERISTICS:
360 (A) LENGTH: 4 amino acids
361 (B) TYPE: amino acid
362 (C) STRANDEDNESS: single
363 (D) TOPOLOGY: linear
365 (ii) MOLECULE TYPE: peptide
368 (ix) FEATURE:

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/10/054,712

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Input Set : N:\Crf3\RULE60\10054712.raw
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:69; N Pos. 12,13,14,15,16,17,18,19,20
Seq#:70; Xaa Pos.3,4,5
Seq#:71; N Pos.. 41,42,43,44,45,46,47,48,49
Seq#:72; Xaa Pos.13,14,15
Seq#:73; N Pos. 37,38,39,40,41,42,43,44,45
Seq#:74; Xaa Pos.9,10,11

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/054,712

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Input Set : N:\Crf3\RULE60\10054712.raw
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L:30 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:31 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:288 M:220 C: Keyword misspelled or invalid format, [(D) TOPOLOGY:]
L:288 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=10
L:343 M:220 C: Keyword misspelled or invalid format, [(D) TOPOLOGY:]
L:343 M:246 W: Invalid value of Alpha Sequence Header Field, [TOPOLOGY:], SeqNo=12
L:1691 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:70 after pos.:0
L:1723 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:72 after pos.:0
L:1755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:74 after pos.:0